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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/721,341

DATE: 08/27/2002  
TIME: 10:54:51

Input Set : N:\Crf3\RULE60\09721341.txt  
Output Set: N:\CRF4\08272002\I721341.raw

#/b

3 <110> APPLICANT: Gosling, Jennifa  
4 Dairaghi, Daniel J.  
5 Hanley, Michael  
6 Miao, Zhenhua  
7 Schall, Thomas J.  
8 ChemoCentryx, Inc.  
10 <120> TITLE OF INVENTION: Chemokine Receptor  
12 <130> FILE REFERENCE: 019934-000710US  
14 <140> CURRENT APPLICATION NUMBER: 09/721,341  
15 <141> CURRENT FILING DATE: 2000-11-21  
17 <150> PRIOR APPLICATION NUMBER: US 09/686,020  
18 <151> PRIOR FILING DATE: 2000-10-10  
20 <150> PRIOR APPLICATION NUMBER: US 60/159,015  
21 <151> PRIOR FILING DATE: 1999-10-12  
23 <150> PRIOR APPLICATION NUMBER: US 60/159,210  
24 <151> PRIOR FILING DATE: 1999-10-13  
26 <150> PRIOR APPLICATION NUMBER: US 60/172,979  
27 <151> PRIOR FILING DATE: 1999-12-20  
29 <150> PRIOR APPLICATION NUMBER: US 60/173,388  
30 <151> PRIOR FILING DATE: 1999-12-28  
32 <150> PRIOR APPLICATION NUMBER: US 60/186,626  
33 <151> PRIOR FILING DATE: 2000-03-03  
35 <160> NUMBER OF SEQ ID NOS: 14  
37 <170> SOFTWARE: PatentIn Ver. 2.1  
39 <210> SEQ ID NO: 1  
40 <211> LENGTH: 1147  
41 <212> TYPE: DNA  
42 <213> ORGANISM: Homo sapiens  
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45 <221> NAME/KEY: CDS  
46 <222> LOCATION: (1)..(1053)  
48 <220> FEATURE:  
49 <223> OTHER INFORMATION: chemokine receptor (CCX CKR)  
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53 Met Ala Leu Glu Gln Asn Gln Ser Thr Asp Tyr Tyr Glu Glu Asn  
54 1 5 10 15  
56 gaa atg aat ggc act tat gac tac agt caa tat gaa ctg atc tgt atc 96  
57 Glu Met Asn Gly Thr Tyr Asp Tyr Ser Gln Tyr Glu Leu Ile Cys Ile  
58 20 25 30  
60 aaa gaa gat gtc aga gaa ttt gca aaa gtt ttc ctc cct gta ttc ctc 144  
61 Lys Glu Asp Val Arg Glu Phe Ala Lys Val Phe Leu Pro Val Phe Leu  
62 35 40 45

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66 aca ata gtt ttc gtc att gga ctt gca ggc aat tcc atg gta gtg gca 192  
67 Thr Ile Val Phe Val Ile Gly Leu Ala Gly Asn Ser Met Val Val Ala  
68 50 55 60  
70 att tat gcc tat tac aag aaa cag aga acc aaa aca gat gtg tac atc 240  
71 Ile Tyr Ala Tyr Tyr Lys Lys Gln Arg Thr Lys Thr Asp Val Tyr Ile  
72 65 70 75 80  
74 ctg aat ttg gct gta gca gat tta ctc ctt cta ttc act ctg cct ttt 288  
75 Leu Asn Leu Ala Val Ala Asp Leu Leu Leu Phe Thr Leu Pro Phe  
76 85 90 95  
78 tgg gct gtt aat gca gtt cat ggg tgg gtt tta ggg aaa ata atg tgc 336  
79 Trp Ala Val Asn Ala Val His Gly Trp Val Leu Gly Lys Ile Met Cys  
80 100 105 110  
82 aaa ata act tca gcc ttg tac aca cta aac ttt gtc tct gga atg cag 384  
83 Lys Ile Thr Ser Ala Leu Tyr Thr Leu Asn Phe Val Ser Gly Met Gln  
84 115 120 125  
86 ttt ctg gct tgt atc agc ata gac aga tat gtg gca gta act aaa gtc 432  
87 Phe Leu Ala Cys Ile Ser Ile Asp Arg Tyr Val Ala Val Thr Lys Val  
88 130 135 140  
90 ccc agc caa tca gga gtg gga aaa cca tgc tgg atc atc tgt ttc tgt 480  
91 Pro Ser Gln Ser Gly Val Gly Lys Pro Cys Trp Ile Ile Cys Phe Cys  
92 145 150 155 160  
94 gtc tgg atg gct gcc atc ttg ctg agc ata ccc cag ctg gtt ttt tat 528  
95 Val Trp Met Ala Ala Ile Leu Leu Ser Ile Pro Gln Leu Val Phe Tyr  
96 165 170 175  
98 aca gta aat gac aat gct agg tgc att ccc att ttc ccc cgc tac cta 576  
99 Thr Val Asn Asp Asn Ala Arg Cys Ile Pro Ile Phe Pro Arg Tyr Leu  
100 180 185 190  
102 gga aca tca atg aaa gca ttg att caa atg cta gag atc tgc att gga 624  
103 Gly Thr Ser Met Lys Ala Leu Ile Gln Met Leu Glu Ile Cys Ile Gly  
104 195 200 205  
106 ttt gta gta ccc ttt ctt att atg ggg gtg tgc tac ttt atc aca gca 672  
107 Phe Val Val Pro Phe Leu Ile Met Gly Val Cys Tyr Phe Ile Thr Ala  
108 210 215 220  
110 agg aca ctc atg aag atg cca aac att aaa ata tct cga ccc cta aaa 720  
111 Arg Thr Leu Met Lys Met Pro Asn Ile Lys Ile Ser Arg Pro Leu Lys  
112 225 230 235 240  
114 gtt ctg ctc aca gtc gtt ata gtt ttc att gtc act caa ctg cct tat 768  
115 Val Leu Leu Thr Val Val Ile Val Phe Ile Val Thr Gln Leu Pro Tyr  
116 245 250 255  
118 aac att gtc aag ttc tgc cga gcc ata gac atc atc tac tcc ctg atc 816  
119 Asn Ile Val Lys Phe Cys Arg Ala Ile Asp Ile Ile Tyr Ser Leu Ile  
120 260 265 270  
122 acc agc tgc aac atg agc aaa cgc atg gac atc atc gac atc caa gtc aca 864  
123 Thr Ser Cys Asn Met Ser Lys Arg Met Asp Ile Ala Ile Gln Val Thr  
124 275 280 285  
128 gaa agc atc gca ctc ttt cac agc tgc ctc aac cca atc atc ctt tat gtt 912  
129 Glu Ser Ile Ala Leu Phe His Ser Cys Leu Asn Pro Ile Leu Tyr Val  
130 290 295 300  
132 ttt atg gga gca tct ttc aaa aac tac gtt atg aaa gtg gcc aag aaa 960

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133 Phe Met Gly Ala Ser Phe Lys Asn Tyr Val Met Lys Val Ala Lys Lys  
134 305 310 315 320  
136 tat ggg tcc tgg aga aga cag aga caa agt gtg gag gag ttt cct ttt 1008  
137 Tyr Gly Ser Trp Arg Arg Gln Arg Gln Ser Val Glu Glu Phe Pro Phe  
138 325 330 335  
140 gat tct gag ggt cct aca gag cca acc agt act ttt agc att taa 1053  
141 Asp Ser Glu Gly Pro Thr Glu Pro Thr Ser Thr Phe Ser Ile  
142 340 345 350  
144 aggtaaaact gctctgcctt ttgcttggat acatatgaat gatgctttcc cctcaaataa 1113  
146 aacatctgcc ttattctgaa aaaaaaaaaaa aaam 1147  
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150 <211> LENGTH: 350  
151 <212> TYPE: PRT  
152 <213> ORGANISM: Homo sapiens

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154 <223> OTHER INFORMATION: chemokine receptor (CCX CKR)  
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158 1 5 10 15  
159 Glu Met Asn Gly Thr Tyr Asp Tyr Ser Gln Tyr Glu Leu Ile Cys Ile  
160 20 25 30  
161 Lys Glu Asp Val Arg Glu Phe Ala Lys Val Phe Leu Pro Val Phe Leu  
162 35 40 45  
163 Thr Ile Val Phe Val Ile Gly Leu Ala Gly Asn Ser Met Val Val Ala  
164 50 55 60  
165 Ile Tyr Ala Tyr Tyr Lys Gln Arg Thr Lys Thr Asp Val Tyr Ile  
166 65 70 75 80  
167 Leu Asn Leu Ala Val Ala Asp Leu Leu Leu Phe Thr Leu Pro Phe  
168 85 90 95  
169 Trp Ala Val Asn Ala Val His Gly Trp Val Leu Gly Lys Ile Met Cys  
170 100 105 110  
171 Lys Ile Thr Ser Ala Leu Tyr Thr Leu Asn Phe Val Ser Gly Met Gln  
172 115 120 125  
173 Phe Leu Ala Cys Ile Ser Ile Asp Arg Tyr Val Ala Val Thr Lys Val  
174 130 135 140  
175 Pro Ser Gln Ser Gly Val Gly Lys Pro Cys Trp Ile Ile Cys Phe Cys  
176 145 150 155 160  
177 Val Trp Met Ala Ala Ile Leu Leu Ser Ile Pro Gln Leu Val Phe Tyr  
178 165 170 175  
179 Thr Val Asn Asp Asn Ala Arg Cys Ile Pro Ile Phe Pro Arg Tyr Leu  
180 180 185 190  
181 Gly Thr Ser Met Lys Ala Leu Ile Gln Met Leu Glu Ile Cys Ile Gly  
182 195 200 205  
183 Phe Val Val Pro Phe Leu Ile Met Gly Val Cys Tyr Phe Ile Thr Ala  
184 210 215 220  
185 Arg Thr Leu Met Lys Met Pro Asn Ile Lys Ile Ser Arg Pro Leu Lys  
186 225 230 235 240  
187 Val Leu Leu Thr Val Val Ile Val Phe Ile Val Thr Gln Leu Pro Tyr  
188 245 250 255

Input Set : N:\Crf3\RULE60\09721341.txt  
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191 Asn Ile Val Lys Phe Cys Arg Ala Ile Asp Ile Ile Tyr Ser Leu Ile  
192 260 265 270  
193 Thr Ser Cys Asn Met Ser Lys Arg Met Asp Ile Ala Ile Gln Val Thr  
194 275 280 285  
195 Glu Ser Ile Ala Leu Phe His Ser Cys Leu Asn Pro Ile Leu Tyr Val  
196 290 295 300  
197 Phe Met Gly Ala Ser Phe Lys Asn Tyr Val Met Lys Val Ala Lys Lys  
198 305 310 315 320  
199 Tyr Gly Ser Trp Arg Arg Gln Arg Gln Ser Val Glu Glu Phe Pro Phe  
200 325 330 335  
201 Asp Ser Glu Gly Pro Thr Glu Pro Thr Ser Thr Phe Ser Ile  
202 340 345 350  
206 <210> SEQ ID NO: 3  
207 <211> LENGTH: 1147  
208 <212> TYPE: DNA  
209 <213> ORGANISM: Homo sapiens  
211 <220> FEATURE:  
212 <223> OTHER INFORMATION: chemokine receptor (variant)  
214 <400> SEQUENCE: 3  
215 atggctttgg aacagaacca gtcaacagat tattattatg agggaaagtga aatgaatggc 60  
216 actgatgact acagtcagta tgaactgatc tgtatcaaag aagatgtcag agaatttgcc 120  
217 aaagtttcccccctgtatt cctcacaata gtttgcgtca ttggacttgc aggcaattcc 180  
218 atggtagtgg caatttatgc ctattacaag aaacagagaa caaaaacaga tggtagtacatc 240  
219 ctgaatttgg ctgttagcaga tttactccctt ctattcactc tgccttttg ggctgttaat 300  
220 gcagttcatg ggtgggtttt agggaaaata atgtgcaaaa taacttcagc cttgtacaca 360  
221 ctaaaactttg tctctgaaat gcagttctg gcttgatca gcatagacag atatgtggca 420  
222 gtaactaaag tccccagcca atcaggagtg ggaaaaccat gctggatcat ctgtttctgt 480  
223 gtctggatgg ctgccatctt gctgagcata ccccaagctgg tttttatac agtaaatgac 540  
224 aatgttaggt gcattcccat tttccccccgc aacttaggaa catcaatgaa agcattgatt 600  
225 caaatgctag agatctgcat tggatttgcgtt gtacccttcc ttattatggg ggtgtgctac 660  
226 tttatcacag caaggacact catgaagatg cccaaacatta aaatatctcg acccctaaaa 720  
227 gttctgctca cagtcgttat agttttcatt gtcactcaac tgccttataa cattgtcaag 780  
228 ttctgccgag ccatagacat catctactcc ctgatcacca gctgcaacat gagcaaacgc 840  
229 atggacatcg ccatccaagt cacagaaagc atcgcactct ttcacagctg cctcaaccca 900  
230 atccctttagt ttttatggg agcatcttc aaaaactacg ttatgaaagt ggccaagaaaa 960  
231 tatgggtccct ggagaagaca gagacaaagt gtggaggagt ttccctttga ttctgagggt 1020  
232 cctacagagc caaccagtgatc ttttagcatt taaaggtaaa actgctctgc ctttgcttg 1080  
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252 <211> LENGTH: 19

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253 <212> TYPE: DNA  
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257 <223> OTHER INFORMATION: Description of Artificial Sequence:primer  
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264 <211> LENGTH: 369  
265 <212> TYPE: PRT  
266 <213> ORGANISM: Homo sapiens  
268 <220> FEATURE:  
269 <223> OTHER INFORMATION: chemokine receptor (CCR9)  
271 <400> SEQUENCE: 6  
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275 Tyr Gly Ser Glu Ser Thr Ser Ser Met Glu Asp Tyr Val Asn Phe Asn  
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278 Phe Thr Asp Phe Tyr Cys Glu Lys Asn Asn Val Arg Gln Phe Ala Ser  
279 35 40 45  
281 His Phe Leu Pro Pro Leu Tyr Trp Leu Val Phe Ile Val Gly Ala Leu  
282 50 55 60  
284 Gly Asn Ser Leu Val Ile Leu Val Tyr Trp Tyr Cys Thr Arg Val Lys  
285 65 70 75 80  
287 Thr Met Thr Asp Met Phe Leu Leu Asn Leu Ala Ile Ala Asp Leu Leu  
288 85 90 95  
290 Phe Leu Val Thr Leu Pro Phe Trp Ala Ile Ala Ala Ala Asp Gln Trp  
291 100 105 110  
293 Lys Phe Gln Thr Phe Met Cys Lys Val Val Asn Ser Met Tyr Lys Met  
294 115 120 125  
296 Asn Phe Tyr Ser Cys Val Leu Leu Ile Met Cys Ile Ser Val Asp Arg  
297 130 135 140  
299 Tyr Ile Ala Ile Ala Gln Ala Met Arg Ala His Thr Trp Arg Glu Lys  
300 145 150 155 160  
302 Arg Leu Leu Tyr Ser Lys Met Val Cys Phe Thr Ile Trp Val Leu Ala  
303 165 170 175  
305 Ala Ala Leu Cys Ile Pro Glu Ile Leu Tyr Ser Gln Ile Lys Glu Glu  
306 180 185 190  
308 Ser Gly Ile Ala Ile Cys Thr Met Val Tyr Pro Ser Asp Glu Ser Thr  
309 195 200 205  
313 Lys Leu Lys Ser Ala Val Leu Thr Leu Lys Val Ile Leu Gly Phe Phe  
314 210 215 220  
316 Leu Pro Phe Val Val Met Ala Cys Cys Tyr Thr Ile Ile Ile His Thr  
317 225 230 235 240  
319 Leu Ile Gln Ala Lys Lys Ser Ser Lys His Lys Ala Leu Lys Val Thr  
320 245 250 255  
322 Ile Thr Val Leu Thr Val Phe Val Leu Ser Gln Phe Pro Tyr Asn Cys  
323 260 265 270  
325 Ile Leu Leu Val Gln Thr Ile Asp Ala Tyr Ala Met Phe Ile Ser Asn  
326 275 280 285

VERIFICATION SUMMARY  
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